

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P316744

Luminaire Tested: **GAN-SA0D-727-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316744
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0D-727-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 66250 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

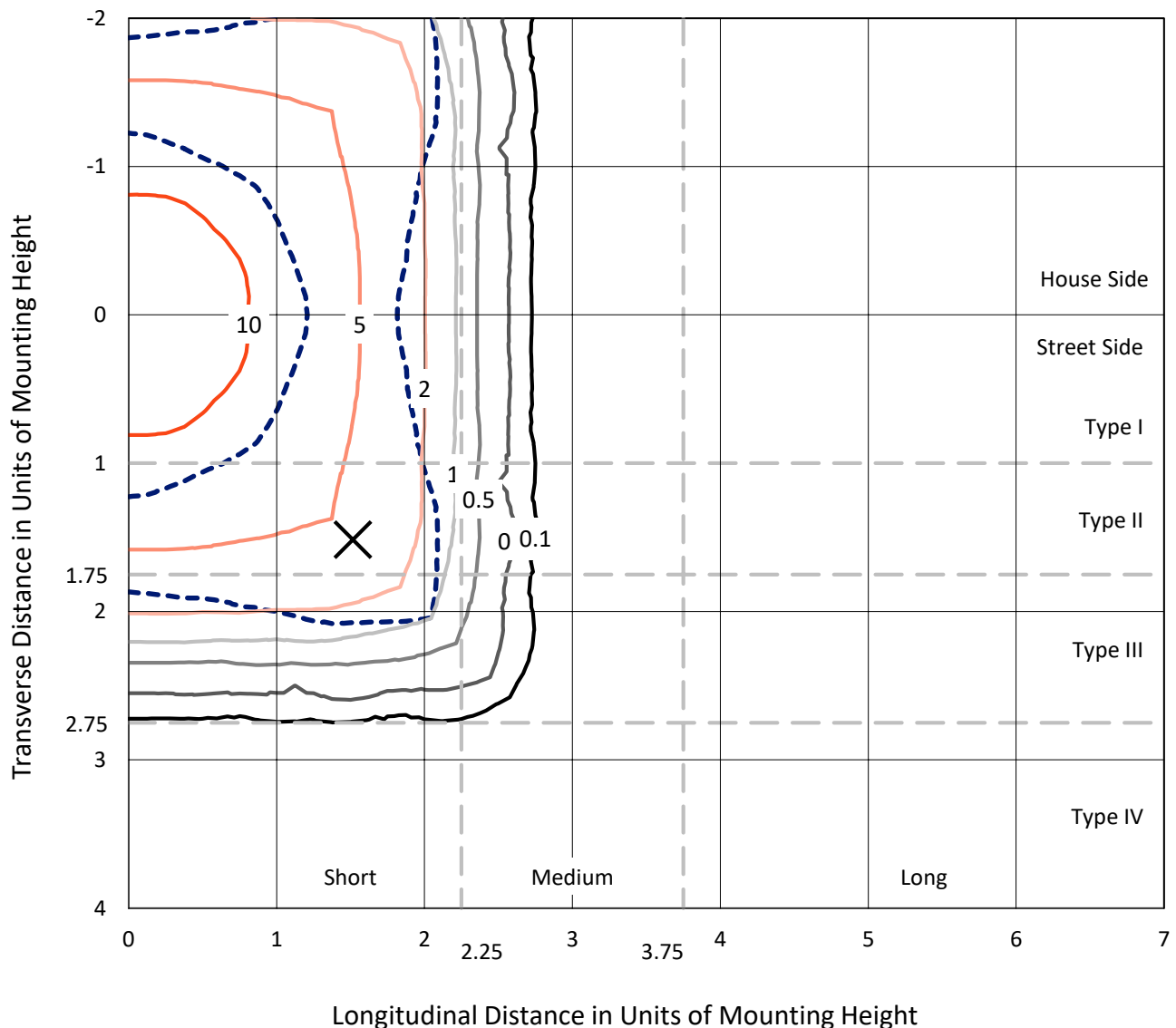
Input Watts (W): 640
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

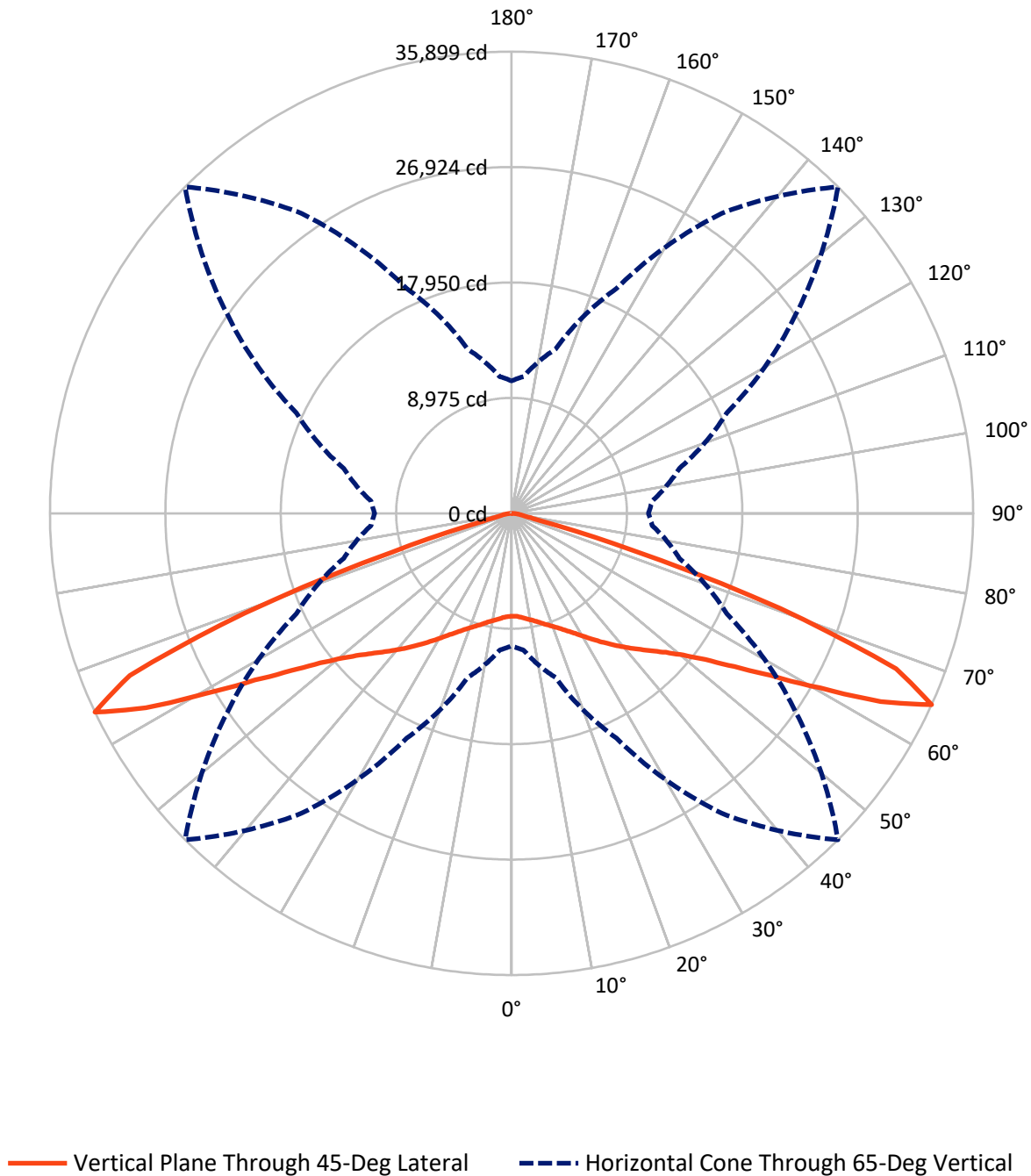
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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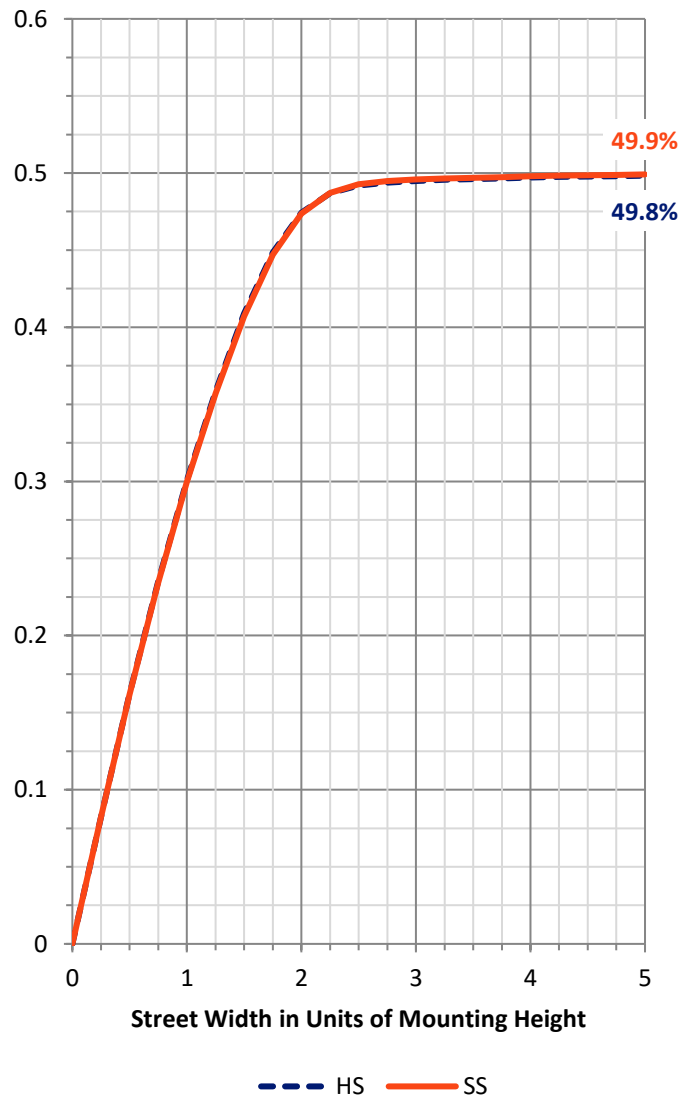
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	33125.0	0.0	33125.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	33125.0	0.0	33125.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	66250.0	0.0	66250.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	784.9	1.2
10°-20°	2523.1	3.8
20°-30°	4733.8	7.1
30°-40°	7828.7	11.8
40°-50°	12125.6	18.3
50°-60°	18597.2	28.1
60°-70°	17353.3	26.2
70°-80°	2019.7	3.0
80°-90°	283.8	0.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	66250.0	100.0
0°-180°	66250.0	100.0

Coefficient of Utilization



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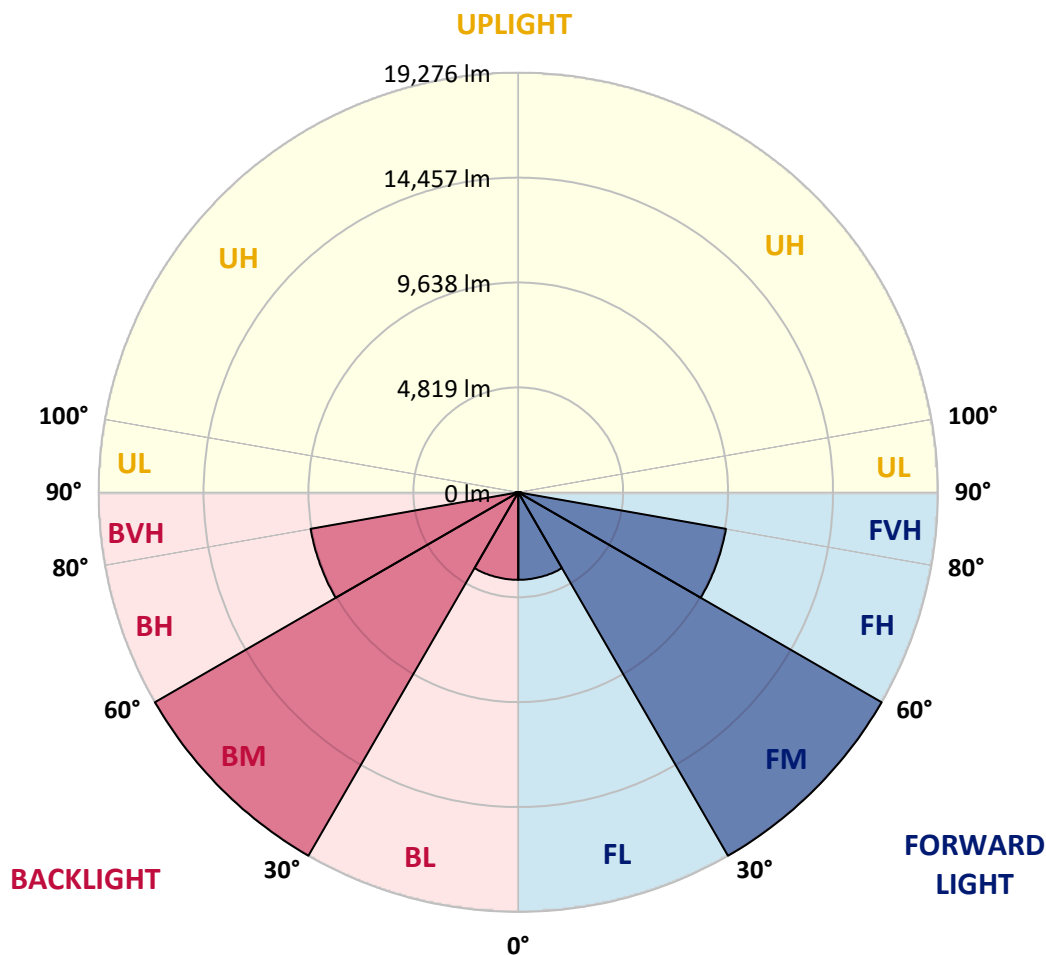
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4020.9	6.1			
FM	(30°-60°)	19275.7	29.1			
FH	(60°-80°)	9686.5	14.6			G4/12000
FVH	(80°-90°)	141.9	0.2			G2/225
BL	(0°-30°)	4020.9	6.1	B4/5000		
BM	(30°-60°)	19275.7	29.1	B5		
BH	(60°-80°)	9686.5	14.6	B5		G4/12000
BVH	(80°-90°)	141.9	0.2			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	8000.5	8000.5	8000.5	8000.5	8000.5	8000.5	8000.5	8000.5	8000.5	8000.5	8000.5
2.5°	8026.9	8022.5	8026.9	8029.1	8015.9	8022.5	8020.3	8031.3	8035.7	8031.3	8031.3
5°	8119.3	8112.7	8121.5	8132.5	8114.9	8119.3	8112.7	8125.9	8130.3	8121.5	8128.1
7.5°	8246.8	8249.0	8257.8	8277.6	8266.6	8275.4	8262.2	8264.4	8262.2	8249.0	8251.2
10°	8385.4	8387.6	8403.0	8429.4	8433.8	8433.8	8425.0	8418.4	8409.6	8400.8	8403.0
12.5°	8552.5	8563.5	8574.5	8607.5	8607.5	8625.1	8620.7	8603.1	8587.7	8574.5	8574.5
15°	8779.0	8776.8	8790.0	8823.0	8838.4	8867.0	8867.0	8842.8	8823.0	8809.8	8805.4
17.5°	9016.5	9023.1	9031.9	9071.5	9095.7	9128.7	9133.1	9113.3	9100.1	9082.5	9071.5
20°	9293.6	9304.6	9339.8	9355.2	9377.2	9408.0	9419.0	9414.6	9401.4	9392.6	9394.8
22.5°	9616.9	9645.5	9667.5	9689.5	9715.9	9737.9	9748.9	9764.2	9751.1	9744.5	9740.1
25°	10008.4	10028.1	10072.1	10111.7	10129.3	10135.9	10149.1	10171.1	10168.9	10153.5	10153.5
27.5°	10452.6	10490.0	10544.9	10602.1	10602.1	10580.1	10624.1	10661.5	10648.3	10628.5	10602.1
30°	10991.4	11026.6	11090.3	11169.5	11129.9	11114.5	11173.9	11242.1	11222.3	11189.3	11184.9
32.5°	11572.0	11604.9	11688.5	11774.3	11723.7	11701.7	11765.5	11864.4	11829.3	11763.3	11723.7
35°	12200.9	12233.9	12352.7	12456.0	12370.2	12332.9	12385.6	12493.4	12431.8	12308.7	12277.9
37.5°	12884.9	12902.4	13056.4	13161.9	13102.6	13003.6	13069.6	13148.7	13096.0	12946.4	12887.0
40°	13595.2	13659.0	13837.1	13960.2	13856.9	13700.7	13810.7	13920.7	13841.5	13650.2	13549.0
42.5°	14424.3	14472.6	14710.1	14820.1	14653.0	14433.1	14582.6	14732.1	14653.0	14468.2	14380.3
45°	15286.3	15361.1	15644.8	15754.7	15512.8	15233.5	15416.1	15677.8	15671.2	15405.1	15312.7
47.5°	16225.4	16300.1	16638.8	16784.0	16522.3	16148.4	16405.7	16775.2	16748.8	16456.3	16381.5
50°	17309.6	17388.7	17811.0	17993.5	17749.4	17313.9	17701.0	18026.5	17978.1	17617.4	17624.0
52.5°	18670.8	18666.4	19192.0	19508.7	19258.0	18873.1	19229.4	19546.1	19346.0	18846.8	18831.4
55°	19862.8	19935.3	20586.3	21186.7	21171.3	21023.9	21166.9	21180.1	20608.3	19944.1	19862.8
57.5°	20645.7	20784.2	21701.3	22787.6	23601.3	23797.1	23520.0	22679.9	21340.6	20278.4	20148.7
60°	20164.1	20375.2	21815.6	24030.2	26427.2	27577.4	26013.8	23407.8	20771.0	19291.0	19115.1
62.5°	16913.7	17270.0	19379.0	23429.8	28859.5	32222.0	27821.5	22240.1	18505.9	16467.3	16166.0
65°	10300.8	10676.9	13219.1	19284.4	28465.9	35899.0	26996.8	18459.7	13507.2	10971.6	10646.1
67.5°	3432.9	3542.8	5040.5	10659.3	22372.0	32255.0	22409.4	11050.8	5878.3	3896.9	3782.5
70°	1343.7	1354.7	1598.8	3089.8	10564.7	22154.3	11657.7	3144.8	1671.4	1321.7	1350.3
72.5°	987.4	991.8	1060.0	1290.9	2753.3	9759.9	2852.3	1297.5	1031.4	925.8	925.8
75°	793.9	793.9	842.3	941.2	1233.7	2238.7	1251.3	930.2	807.1	738.9	730.1
77.5°	626.8	640.0	677.3	741.1	835.7	1077.6	866.5	736.7	650.9	587.2	574.0
80°	466.2	479.4	541.0	571.8	600.4	747.7	640.0	576.2	514.6	439.8	426.6
82.5°	305.7	318.9	395.8	413.4	406.8	488.2	431.0	424.4	378.3	283.7	270.5
85°	200.1	204.5	263.9	274.9	252.9	222.1	274.9	290.3	263.9	184.7	178.1
87.5°	94.6	94.6	134.1	125.4	114.4	92.4	125.4	147.3	149.5	90.2	88.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)